

Abstract of the Disclosure

HYDRAULIC SYSTEM WITH IMPROVED EFFICIENCY

A hydraulic system, particularly suitable for use in a work machine, is provided with a hydraulic pressure source. A hydraulic transformer has an inlet and an outlet, with the inlet being coupled with the pressure source. A bypass valve operatively couples at least one hydraulic motor selectively either with the pressure source or the hydraulic transformer outlet, depending upon an operating characteristic associated with at least one hydraulic motor. Each hydraulic motor is operated at a high efficiency by providing the inlet hydraulic fluid at an amplified or non-amplified state.